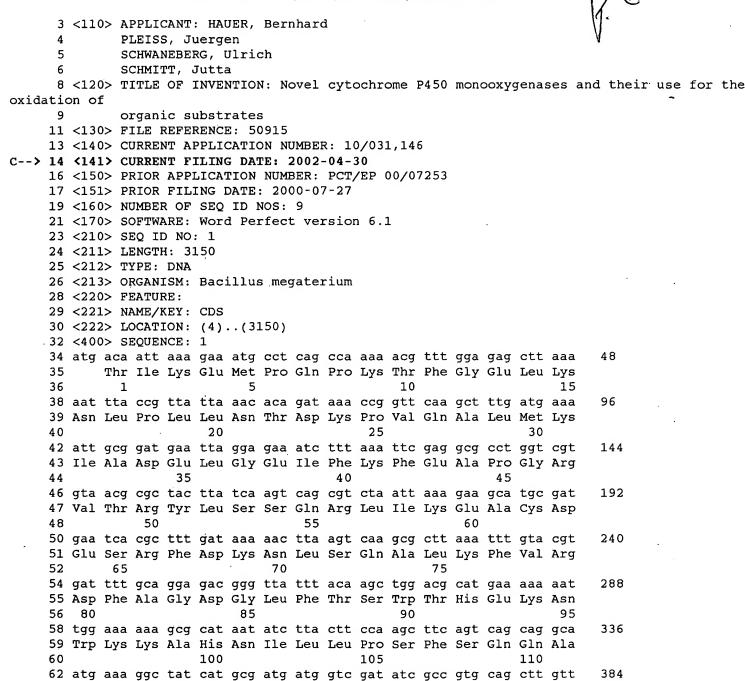
N	umber: /0/03/, /46	CRF Processing Date: - 9////2
· .	Changed a fil from non-ASCII to ASCII	Verified by: (ST
••	Changed the margins in cases where the sequence text was	vapped down to the next line.
	Edited a format error in the Current Application Data section,	specifically:
	Edited the Current Application Data section with the actual cuapplicant was the prior application data; or other	irrent number. The number inputted by t
	Added the mandatory heading and subheadings for *Current.	Application Data*.
	Edited the "Number of Sequences" field. The applicant spelle	ed out a number instead of using an integ
	Changed the spelling of a mandatory field (the headings or su	ubheadings), specifically:
	Corrected the SEQ ID NO when obviously incorrect. The seq	quence numbers that were edited were:
	Inserted or corrected a nucleic number at the end of a nucleic	line. SEQ ID NO's edited:
	Corrected subheading placement. All responses must be on applicant placed a response below the subheading, this was response to the subheading.	the same line as each subheading. If the moved to its appropriate place.
	Inserted colons after headings/subheadings. Headings edite	d included:
•	Deleted extra, invalid, headings used by an applicant, specific	cally:
	Deleted: ☐ non-ASCII "garbage" at the beginning/end of file ☐ page numbers throughout text; ☐ other invalid text, su	es;  secretary initials/filename at end
	Inserted mandatory headings, specifically:	
	Corrected an obvious error in the response, specifically:	
	Edited identifiers where upper case is used but lower case is	required, or vice versa.
	Corrected an error in the Number of Sequences field, specific	cally:
-	A "Hard Page Break" code was inserted by the applicant. All	l occurrences had to be deleted.
,	Deleted ending stop codon in amino acid sequences and adj	
į	Deleted <i>ending</i> stop cooon in amino acid sequences and adjude to a Patentin bug). Sequences corrected:	action area to American Trions against a American And A
.(	Other: 1 and claring baket la	<i>L</i> 1207
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PCT10

RAW SEQUENCE LISTING DATE: 06/17/2002 PATENT APPLICATION: US/10/031,146 TIME: 19:41:50

Input Set : A:\PTO.AMC.TXT



Input Set : A:\PTO.AMC.TXT

64	Met	Lys	Gly	Tyr 115	His	Ala	Met	Met	Val	Asp	Ile	Ala	Val	Gln 125	Leu	Val	
	caa	ааσ	taa		cgt	cta	aat	αca		αaα	cat	att	gaa		cca	gaa	432
		_			Arg			_	-				_	-	-	-	102
68	02	_1_	130		5			135					140				
	σac	ato		cat	tta	acσ	ctt		aca	att	aat	ctt		aac	ttt	aac	480
	-	_		_	Leu	_		_					_				
72		145					150	-			-	155	•	•			
74	tat	cgc	ttt	aac	agc	ttt	tac	cga	gat	cag	cct	cat	cca	ttt	att	aca	528
75	Tyr	Arg	Phe	Asn	Ser	Phe	Tyr	Arg	Asp	Gln	Pro	His	Pro	Phe	Ile	Thr	
76	160					165					170					175	
78	agt	atg	gtc	cgt	gca	ctg	gat	gaa	gca	atg	aac	aag	ctg	cag	cga	gca	576
79	Ser	Met	Val	Arg	Ala	Leu	Asp	Glu	Ala	Met	Asn	Lys	Leu	Gln	Arg	Ala	
80					180					185					190		
82	aat	cca	gac	gac	çса	gct	tat	gat	gaa	aac	aag	cgc	cag	ttt	caa	gaa	624
83	Asn	Pro	Asp	Asp	Pro	Ala	Tyr	Asp	Glu	Asn	Lys	Arg	Gln	Phe	Gln	Glu	
84				195					200					205			
					atg												672
	Asp	Ile	_	Val	Met	Asn	Asp		Val	Asp	Lys	Ile		Ala	Asp	Arg	
88			210					215					220				
		_	-		gaa		_	-	_			_					720
	Lys		Ser	GLY	Glu	Gin		Asp	Asp	Leu	Leu		His	Met	Leu	Asn	
92		225				_	230					235					760
					gaa												768
	240	гуѕ	ASP	PIO	Glu	245	GIY	GIU	PIO	Leu	250	Asp	GIU	ASII	TTE	255	
			a++	2++	aca		++=	a++	aca	aas		ma a	202	2.02	ant		816
	Tyr																010
			116												Ser		
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100	)				260					265	5				270	)	864
102	o 2 ctt	: tta	ı tca	a ttt	260 gcg	ctg	tat	ttc	: tta	265 gtg	; raaa	aat	cca	ı cat	270 gta	) a tta	864
102	o 2 ctt 3 Leu	: tta	ı tca	a ttt	260 gcg Ala	ctg	tat	ttc	: tta	265 gtg Val	; raaa	aat	cca	ı cat	270 gta Val	)	864
102 103 104	o z ctt Leu l	tta Lei	ı tca ı Ser	ttt Phe	260 gcg Ala	ctg Leu	tat Tyr	tto Phe	tta Leu 280	265 gtg Val	; aaa . Lys	aat Asn	cca Pro	cat His	270 gta Val	) a tta . Leu	864 912
102 103 104 106	ctt Leu caa	tta Leu	tca Ser gca	ttt Phe 275	260 gcg Ala Jgaa	ctg Leu	tat Tyr	ttc Phe	tta Lei 280	265 gtg Val	aaa Lys cta	aat Asn gta	cca Pro	cat His 285	270 gta Val	) a tta	
102 103 104 106	ctt ctt Leu caa caa	tta Leu	tca Ser gca	ttt Phe 275 gca Ala	260 gcg Ala Jgaa	ctg Leu	tat Tyr	ttc Phe	tta Lev 280 cga	265 gtg Val	aaa Lys cta	aat Asn gta	cca Pro	cat His 285 cct	270 gta Val	tta Leu	
103 103 104 106 107	ctt Leu cas Gas Gas Gas	tta Lei a aaa a Lys	a tca 1 Sei 1 gca 3 Ala 290	ttt Phe 275 gca Ala	260 gcg Ala Glu	ctg Leu gaa	tat Tyr gca	tto Phe gca Ala 295	tta 280 280 cga	265 gtg Val	aaa Lys cta Leu	aat Asn gta Val	cca Pro gat Asp 300	cat His 285 cct Pro	270 gta val o val	tta Leu	
103 103 104 106 107 108	ctt ctt Let caa Glr ago	tta Leu a aaa Lys	a tca Ser a gca s Ala 290 c aaa	ttt Phe 275 gca Ala	260 gcg Ala Glu Glu	ctg Leu gaa Glu	tat Tyr gca Ala	tto Phe gca Ala 295	tta Leu 280 cga Arg	265 gtg Val gtt Val	aaa Lys cta Leu	aat Asn gta Val	gat Asr	cat His 285 cct Pro	270 gta s Val s t gtt val	tta Leu cca Pro	912
103 103 104 106 107 108	Control Contro	tta Leu a aaa Lys	a tca 1 Ser 1 gca 2 Ala 2 2 Caaa 2 Lys	ttt Phe 275 gca Ala	260 gcg Ala Glu Glu	ctg Leu gaa Glu	tat Tyr gca Ala	tto Phe gca Ala 295	tta Leu 280 cga Arg	265 gtg Val gtt Val	aaa Lys cta Leu	aat Asn gta Val	gat Asg 300	cat His 285 cct Pro	270 gta s Val s t gtt val	tta Leu cca Pro	912
102 103 104 105 105 116 113 112	Control of the contro	tta Lev a aaa Lys tac Tys 305	a tca Sen Gen Sen Ala 290 Caaa Lys	n ttt Phe 275 n gca n Ala ) n caa Glm	260 gcg Ala gaa Glu gtc	ctg Leu gaa Glu aaa Lys	tat Tyr gca Ala cag Gln 310	tto Phe gca Ala 295 ctt	tta 280 cga Arg a Arg	265 1 gtg 1 Val 2 gtt 3 Val 3 tat 5 Tyr	aaa Lys cta Leu	aat Asn gta Val ggc Gly 315	gat Asp 300 ato	t cat 285 c cct p Pro	270 gta Val t gtt Val t ta	tta Leu cca Pro	912
102 103 104 106 107 108 110 112 114	ctt ctt caa caa caa caa caa caa caa caa	tta Leu a aaa Lys tac tac Tyr 305	a tca i Sei a gca 3 Ala 290 aaa Lys	The Phe 275 A gca Ala Ala Caa Glm	260 gcg Ala gaa Glu gtc Val	ctg Leu gaa Glu aaa Lys	tat Tyr gca Ala cag Gln 310	tto Phe gca Ala 295 ctt	tta 280 280 Arga Arga Lys	265 gtg Val gtt Val tat Tyr	aaa Lys cta Leu gto Val	aat Asn yta Val ggc Gly 315	gat Ass 300 ato Met	cat His 285 cct Pro	270 270 270 270 270 270 270 270 270 270	tta Leu cca Pro aac	912 960
102 103 104 106 107 118 112 114 115	ctt Leu Garage G	tta aaaa Lys ta Tyr 305	a tca Sen Sen Sen Sen Sen Sen Sen Sen Sen Sen	Phe 275 a gca Ala	260 gcg Ala Glu gtc Val tta Leu	ctg Leu gaa Glu aaa Lys tgg	tat Tyr gca Ala cag Gln 310	tto Phe gca Ala 295 ctt Leu	tta Let 280 Arg Arg Lys	265 265 275 275 275 275 275 275 275 275 275 27	g aaa Lys cta Leu gto Val	aati Asn gta Val Val Gly 315	gat Asp 300 ato Met	cat O His 285 cct O Pro O gto Val	270 gtas Vallo Vallo Leu tat	tta Leu cca Pro a aac Asn gca Ala 335	912 960
102 103 104 106 116 112 114 115 116	ctt Leu Garage G	tta Leu a aaa Lys tac Tyn 305 gcg a Ala	a tca Sen gca Sala 290 aaaa Lys 5 cto	ttt Phe 275 gca Ala ) a caa Glm gcgc	260 gcg Ala gaa Glu gtc Val tta Leu	ctg Leu gaa Glu aaa Lys tgg Trp 325	tat Tyr gca Ala cag Gln 310 cca Pro	ttc Phe gca Ala 295 ctt Leu	tta 280 cga Arga Lys	265 gtg Val Val Val Val Tyr	g aaa Lys cta Leu gtc Val gcg Ala 330	aati Asn gta Val Val Gly 315 ttt	gat 300 ato Met	to this 285 cct cct value cta	270 gta gta Val gtt Val tta Let Typ	tta Leu cca Pro a aac Asn gca Ala 335	912 960
102 103 104 106 107 112 113 114 115 116	Cottons  Cot	tta Leu a aaa Lys tac Tyn 305 gcg a Ala	a tca Sen gca Sala 290 aaaa Lys 5 ctg	ttt Phe 275 gca Ala ) a caa Glm gcgc	260 gcg Ala gaa Glu yal tta tta gtg val	ctg Leu gaa Glu aaa Lys tgg Trp 325 ctt	tat Tyr gca Ala cag Gln 310 cca Pro	ttc Phe gca Ala 295 ctt Leu	tta 280 cga Arga Lys	265 269 27 28 28 28 28 28 28 28 28 28 28 28 28 28	g aaa Lys cta Leu gtc Val gcg Ala 330	aati Asn gta Val Val Gly 315 ttt	gat 300 ato Met	to this 285 cct cct value cta	270 gta gta Val gtt Val tta Let tat Typ gg Gl gG	tta Leu cca Pro aac Asn gca Ala 335 gac Asp	912 960 1008
103 104 106 107 113 114 115 116 118	2 ctt 3 Leu 4 5 caa 7 Glr 8 ago 1 Ser 2 gaa 5 Glu 6 320 8 aaa 9 Lys	tta Leu a aaa Lys tac tac Tyr 305 a gcg	a tca Sen Sen 290 aaa Lys 5 ctg Leu Asp	ttt Phe 275 a gca a Ala a caa Gln g cgc Thr	260 gcg Ala gaa Glu yal tta tta gtg Val 340	ctg Leu gaa Glu aaa Lys tgg Trp 325 ctt	tat Tyr gca Ala cag Gln 310 cca Pro	ttc Phe gca Ala 295 ctt Leu Thr	tta Let 280 cga Arg aaa Lys cga Cga Gli	265 265 275 275 275 275 275 275 275 275 275 27	g aaa Lys cta Leu gtc Val gcg Ala 330	aat Asn gta Val ggc Gly 315 ttt Phe	gat gat 300 ato Met too Ser	to cate cot	270 gta gta Val gtt Val ctta Leu tat Typ 350 350	tta Leu cca Pro aac Asn gca Ala 335 gac Asp	912 960 1008 1056
102 103 104 106 107 116 117 118 118 119 120 122	2 ctt 3 Leu 4 5 caa 7 Glr 8 ago 1 Ser 2 gaa 5 Glu 6 320 8 aaa 9 Lys	tta Leu a aaa Lys tac tac Tyr 305 a gcg	a tca Sen Sen 290 aaa Lys C to J cto J cto	ttt Phe 275 a gca a Ala a caa Gln g cgc Thr	260 gcg Ala gaa Glu yal tta tta gtg Val 340 ctg	ctg Leu gaa Glu aaa Lys tgg Trp 325 ctt Leu	tat Tyr gca Ala cag Gln 310 cca Pro	ttc Phe gca Ala 295 ctt Leu Thr	tta 280 280 cga Arg aaa Lys cga Glu gaa	265 1 gtg 1 Val 2 gtt 3 Val 3 tat 5 Tyr 5 cct 6 Tyr 6 Cct 6 Tyr 7 Cct	g aaa Lys cta Leu gtc Val gcg Ala 330 cct	aats Asn gta yal yal yal yal yal yal yal yal yal ya	gat gat 300 atc Met	a cat 285 285 cct pro gct Val ccta Leu aaa	270 gta gta Val gtt Val ctta Leu tat Typ 350 att	tta Leu cca Pro aac Asn gca Ala 335 gac Asp	912 960 1008
103 104 106 107 108 116 117 118 118 120 122 123	2 ctt 2 ctt 3 Leu 4 5 caa 7 Glr 8 ago 1 Ser 2 gaa 5 Glu 6 320 6 32	tta Leu a aaa Lys tac tac Tyr 305 a gcg	a tca Sen Sen Sen 290 aaa Lys C to J cto J	ttt Phe 275 gca Ala Caa Gln Gca Arg Thr Val	260 gcg Ala gaa Glu gtg Val tta gtg 340 ctg Leu	ctg Leu gaa Glu aaa Lys tgg Trp 325 ctt Leu	tat Tyr gca Ala cag Gln 310 cca Pro	ttc Phe gca Ala 295 ctt Leu Thr	tta 280 280 cga Arg aaa Lys cata gaa Glu Let	265 1 gtg 1 Val 2 gtt 3 Val 3 tat 5 Tyr 5 cct 6 Tyr 6 Tyr 7 Tat 7 Tyr 7 Tyr 7 Tyr 8	g aaa Lys cta Leu gtc Val gcg Ala 330 cct	aats Asn gta yal yal yal yal yal yal yal yal yal ya	gat gat 300 atc Met	a cat b His 285 cct cct cval ccta Let aaaa Lys acas Thr	270 gta gta gta gtt gtt tat tat Typ 350 att file	tta Leu cca Pro aac Asn gca Ala 335 gac Asp	912 960 1008 1056
103 104 106 107 108 113 114 115 116 118 120 122 123 124	cattle ca	tta a aaa Lys tac Tyr 305 a gcg a Ala ) gaa Glu Leu	a toa a gca a gca a 290 a aaa c Lys b cto a Leu a gat a Asp	ttt Phe 275 gca Ala Caa Gln Gca Arg Thr Val	260 gcg Ala gaa Glu gtg Val tta gtg 340 ctg Leu	ctg Leu gaa Glu aaa Lys tgg Trp 325 ctt Leu att	tat Tyr gca Ala cag Gln 310 cca Pro	ttc Phe gca 295 ctt Leu act Thr	tta 280 cga Arg aaa Lys cat Ala gaa Glu Let 360	265 1 gtg 1 Val 2 gtt 3 Val 3 tat 5 Tyr 5 cct 6 Tyr 6 Cat 6 His	g aaa Lys cta Leu gtc Val geg Ala 330 cct Pro	aat Asn gta Val Gly 315 ttt Phe C tta Leu gat	gat Ask 300 ato Met Ser gaa Glu	a cat b His 285 cct cot cot Val cta Let aaa Lys a Thr 365	270 gta	tta Leu cca Pro aac Asn cga Ala 335 gac Asp ctgg Trp	912 960 1008 1056 1104
103 104 106 107 108 113 114 115 116 122 123 124 126	cate de la	tta Lei La aaa Lys tac Tyr 305 1 gcs 1 Ala 1 gaa 1 Cta 1 Lei	a toa goa aas Ala Caas Ala Caas Lys Goa Leu Asp a togat a toga	ttt Phe 275 gca Ala Caa Gln GCA Thr Val 355 gtg	260 gcg Ala gaa Glu gtc Val tta gtg 340 ctg Leu	ctg gaa Glu aaa Lys tgg Trp 325 ctt Leu att	tat Tyr gca Ala cag Gln 310 cca Pro	ttc Phe gca 295 ctt Leu act Thr cag Gly	tta 280 cga Arg aaa Lys gct Ala gaa Glu tctt Leu 360	265 gtg yal yal yal yal tat Tyr tat Tyr tat Tyr tat Tyr gag	g aaa Lys cta Leu gtc Val geg Ala 330 cct Pro	aat Asn gta Val Gly 315 ttt Phe C tta Gat Tan Asp	gat gat Asr 300 ato Met Ser gaa Glu	d cat  285  285  cct  pro  gto  Val  cta  Leu  aaa  Lys  aca  Thr  365  aat	270 gta	tta Leu cca Pro aac Asn gca Ala 335 gac Asp	912 960 1008 1056

Input Set : A:\PTO.AMC.TXT

128			370					375					380				
130	gcg	att	ccg	cag	cat	gcg	ttt	aaa	ccg	ttt	gga	aac	ggt	cag	cgt	gcg	1200
131	Ala	Ile	Pro	Gln	His	Ala	Phe	Lys	${\tt Pro}$	Phe	Gly	Asn	Gly	Gln	Arg	Ala	
132		385					390					395					
134	tgt	atc	ggt	cag	cag	ttc	gct	ctt	cat	gaa	gca	acg	ctg	gta	ctt	ggt	1248
135	Cys	Ile	Gly	Gln	Gln	Phe	Ala	Leu	His	Glu	Ala	Thr	Leu	Val	Leu	Gly	
136	400		_			405					410					415	
138	atg	atg	cta	aaa	cac	ttt	gac	ttt	gaa	gat	cat	aca	aac	tac	gag	ctg	1296
139	Met	Met	Leu	Lys	His	Phe	Asp	Phe	Glu	Asp	His	Thr	Asn	Tyr	Glu	Leu	
140					420					425				_	430		
142	gat	att	aaa	gaa	act	tta	acg	tta	aaa	cct	gaa	ggc	ttt	gtg	gta	aaa	1344
												Gly					
144	_		_	435					440			_		445			
146	gca	aaa	tcg	aaa	aaa	att	ccg	ctt	ggc	ggt	att	cct	tca	cct	agc	act	1392
												Pro					
148		_	450	_	_			455	_	_			460				
150	gaa	cag	tct	gct	aaa	aaa	gta	cgc	aaa	aag	gca	gaa	aac	gct	cat	aat	1440
151	Glu	Gln	Ser	Ala	Lys	Lys	Val	Arg	Lys	Lys	Ala	Glu	Asn	Ala	His	Asn	
152		465					470					475					
154	acg	ccg	ctg	ctt	gtg	cta	tac	ggt	tca	aat	atg	gga	aca	gct	gaa	gga	1488
155	Thr	Pro	Leu	Leu	Val	Leu	Tyr	Gly	Ser	Asn	Met	Gly	Thr	Ala	Glu	Gly	
156	480					485					490					495	
158	acg	gcg	cgt	gat	tta	gca	gat	att	gca	atg	agc	aaa	gga	ttt	gca	ccg	1536
159	Thr	Ala	Arg	Asp	Leu	Ala	Asp	Ile	Ala	Met	Ser	Lys	Gly	Phe	Ala	Pro	
160					500					505					510		•
162	cag	gtc	gca	acg	ctt	gat	tca	cac	gcc	gga	aat	ctt	ccg	cgc	gaa	gga	1584
163	Gln	Val	Ala	${ t Thr}$	Leu	Asp	Ser	His	Ala	Gly	Asn	Leu	Pro	Arg	Glu	Gly	
164				515					520					525			
												cat					1632
167	Ala	Val	Leu	Ile	Val	Thr	Ala	Ser	$\mathtt{Tyr}$	Asn	Gly	His	Pro	Pro	Asp	Asn	
168			530					535					540				
												tct					1680
	Ala		Gln	Phe	Val	Asp		Leu	Asp	Gln	Ala	Ser	Ala	Asp	Glu	Val	
172		545					550					555					
												gat					1728
	_	Gly	Val	Arg	Tyr		Val	Phe	Gly	Cys		Asp	Lys	Asn	Trp		
176						565					570					575	
												gaa					1776
	Thr	Thr	Tyr	Gln	_	Val	Pro	Ala	Phe		Asp	Glu	Thr	Leu		Ala	
180					580					585					590		
												gca					1824
	Lys	Gly	Ala		Asn	Ile	Ala	Asp		Gly	Glu	Ala	Asp		Ser	Asp	
184				595					600					605			
												cat					1872
	Asp	Phe		Gly	Thr	Tyr	Glu		Trp	Arg	Glu	His		Trp	Ser	Asp	
188			610					615					620	_			
												agt					1920
	Val		Ala	Tyr	Phe	Asn		Asp	Ile	GLu	Asn	Ser	GLu	Asp	Asn	Lys	
192		625					630					635					

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									_	_	_		_	atg	_		1968
		Thr	Leu	Ser	Leu		Phe	۷al	Asp	Ser		Ala	Asp	Met	Pro		
	640		-+-			645		<b>+</b>			650					655	2016
			-						_		-	-	-	agc Ser			2016
200	ALA	цуъ	Met	1112	660	AIG	FIIC	361	T111	665	val	vaı	АТА	361	670	GIU	
	ctt	caa	cag	cca		agt.	gca	cga	agc		cga	cat	ctt	gaa		gaa	2064
			-			-	-	-	-	_	_			Glu		-	2001
204				675	2				680		5			685			
206	ctt	cca	aaa	gaa	gct	tct	tat	caa	gaa	gga	gat	cat	tta	ggt	gtt	att	2112
207	Leu	${\tt Pro}$	Lys	Glu	Ala	Ser	Tyr	Gln	Glu	Gly	Asp	His	Leu	Gly	Val	Ile	
208			690					695					700				
		_						_			-			agg			2160
	Pro	_	Asn	$\mathtt{Tyr}$	Glu	Gly		Val	Asn	Arg	Val		Ala	Arg	Phe	Gly	
212		705		<b>.</b>			710					715					2222
														gaa Glu			2208
215		ASP	ніа	ser	GIII	725	116	AIG	ьеu	GIU	730	GIU	GIU	GIU	цуѕ	735	
		cat	tta	cca	ctc		aaa	aca	αta	taa		gaa	αaα	ctt	cta		2256
	-		_			-			_		-	-		Leu	-		
220					740					745					750		
222	tac	gtg	gag	ctt	caa	gat	cct	gtt	acg	cgc	acg	cag	ctt	cgc	gca	atg	2304
223	Tyr	Val	Glu	Leu	·Gln	Asp	Pro	Val	Thr	Arg	Thr	Gln	Leu	Arg	Ala	Met	
224				755					760			•		765			
	-	-		_	-	_	-	-			-			gaa	-	_	2352
	Ala	Ala	_	Thr	Val	Cys	Pro		His	Lys	Val	Glu		Glu	Ala	Leu	
228	a++	<b>~</b> ~~	770		~~~	+		775	<b>~</b> ~~	~+~	ata	~~~	780	aa+	++-	2.02	2400
		-	-		_						_	_		cgt Arg			2400
232	neu	785	шyз	GIII	AIG	- 7 -	790	Giu	GIII	Val	neu	795	пуз	Arg	пси	1111	
	atq		σaa	ctq	ctt	σaa		tac	ccq	aca	tat		atq	aaa	ttc	aqc	2448
	_		_	_		-			_		_	_	_	Lys		-	
236	800					805	_	_			810			_		815	
238	gaa	ttt	atc	gcc	ctt	ctg	cca	agc	ata	cgc	ccg	cgc	tat	tac	tcg	att	2496
	Glu	Phe	Ile	Ala		Leu	Pro	Ser	Ile	_	Pro	Arg	Tyr	$\mathtt{Tyr}$		Ile	
240					820					825					830		
														acg			2544
243	ser	ser	ser	835	Arg	vaı	Asp	GIU	ьуs 840	GIN	Ата	Ser	TTE	Thr 845	vaı	Ser	
	att	atc	t ca		αaa	aca	taa	алс		tat	aas	ma a	tat	aaa	aas	att	2592
														Lys			2372
248			850	1				855	1	-1-	0-1		860	_10	1		
	gcg	tcg	aac	tat	ctt	gcc	gag	ctg	caa	gaa	gga	gat	acg	att	acg	tgc	2640
251	Ala	Ser	Asn	Tyr	Leu	Ala	Glu	Leu	Gln	Glu	Gly	Asp	Thr	Ile	Thr	Cys	
252		865					870					875					
														gac			2688
		Ile	Ser	Thr	Pro		Ser	Glu	Phe	Thr		Pro	Lys	Asp	Pro		
256			_++	-+-		885					890					895	2726
∠⊃8	acg	ccg	CLL	atc	acg	gtc	gga	ccg	gga	aca	ggc	grc	gcg	ccg	נננ	aga	2736

Input Set : A:\PTO.AMC.TXT

	Thr	Pro	Leu	Ile		Val	Gly	Pro	Gly		Gly	Val	Ala	Pro		Arg	
260					900					905					910		0704
			gtg														2784
	GLĀ	Pne	Val		Ala	Arg	гаг	GIN		ьys	GIU	GIn	GIĀ		Ser	Leu	
264				915					920					925			
			gca											-	_		2832
	GTA	GIU	Ala	His	Leu	Tyr	Pne		Cys	Arg	Ser	Pro		Glu	Asp	Tyr	
268			930					935					940				
			caa														2880
	Leu	_	Gln	GLu	GLu	Leu	•	Asn	Ala	GIn	Ser		GTĀ	Ile	Ile	Thr	•
272		945	•		4. 4. 4		950					955					
			acc	-			-	_			_	_				-	2928
		His	Thr	Ala	Phe		Arg	Met	Pro	Asn		Pro	Lys	Thr	Tyr		
	960					965					970					975	
			gta														2976
	Gln	His	Val	Met		Gln	Asp	Gly	Lys		Leu	Ile	Glu	Leu		Asp	
280					980					985					990		
			gcg														3024
	Gln	GLY	Ala		Phe	Tyr	Ile	_	_	Asp	Gly	Ser			Ala	Pro	
284				995			_		1000					1005			
			gaa														3072
	Ala		Glu	Ala	Thr	Leu		_	Ser	Tyr	Ala	_		His	GIn	Val	
288			1010					L015					L020			•	
	_	_	gca	_	-	_			_	_	_		_	-			3120
			Ala	Asp	Ala	_		Trp	Leu	Gln			Glu	Glu	Lys	GLY	
292		1025					1030				-	1035					22.52
	_		gca		_					taa							3150
	_	_	Ala	ьys	_		Trp	Ala	GTĀ								
	1040					L045											
			EQ II														
			ENGTI		140												
			PE:		Dogs	11											
			RGANI EQUEN			LIIUs	s meg	jacei	. Luiii								
			Lys			Dro	Cln	Dro	Tarc	mb ~	Dho	C1 17	Clu	Tou	T 17.0	A cn	
305	1	116	пур	GIU	Me t	PIO	GIII	PIO	пур	10	FILE	GIY	GIU	пеп	15	MSII	
		Dro	Leu	Lou		mb r	λcn	Tvc	Dro		Cln	λla	Len	Ma+		Tlo	
309	ьец	FIU	пец	20	ASII	1111	KSP	пур	25	Vai	GIII	нта	пеп	30	цур	116	
	אן א	7 cn	Glu		Cly	Clu	Tlo	Dho		Dho	Clu	712	Dro		λκα	Wa I	
	нта	ASP	35	пеп	GIY	GIU	116	40	пур	FIIC	GIU	ніа	45	GLY	Arg	Val	
312	Шhъ	λ ~ ~		T 011		Cor	Cln		Tan	T1.	T ***	C1		Crra	N a m	C1.,	
314	TIIT	50	Tyr	TIGIT	Set	SeT.	55	MI 9	⊥eu	TTE	пуз	60	HIG	CYS	мsЪ	GIU	
	Ser		Phe	Acr	Lare	λen		Ser	Gln	λ1 =	T.e.v		Dho	Va 1	λra	λαν	
318	65	nr y	1 116	Tob	כעם	70	⊒u≎u	JUL	9111	A1a	75	ב עניי	FIIG	Val	<b></b> A	80	
		<b>λ</b> 1 =	Gly	Aen	Glu		Dhe	Thr	Ser	mrn		Hie	G3 11	Lare	λen		
321	riie	лта	GTÄ	rab	85	пец	FIIE	TIIT	SEL	90	TIIT	1112	GIU	nλρ	95	111	
	Tare	Tare	Ala	Hic		Tle	T.e.u	T.e.u	Pro		Phe	Ser	Gln	Gln		Met	
324	د ړ ــ	L13		100	11011	110	Leu	LCU	105	JC1	1116	UGI	0111	110	ATA		
	Lvc	Glv	Tyr		Δla	Met	Met	Va1		Tle	Δla	Val	Gln		Val	Gln	
220	-13		-1-	1110	ara		1100	* U.L.	112P	110	AL C	, ar	O 111	10 U	· u ·	O T 11	

RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/10/031,146

DATE: 06/17/2002 TIME: 19:41:51

Input Set : A:\PTO.AMC.TXT

Output Set: N:\CRF3\06172002\J031146.raw

## Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 16,17,18
Seq#:4; N Pos. 13,14,15
Seq#:5; N Pos. 16,17,18
Seq#:6; N Pos. 17,18,19
Seq#:7; N Pos. 25,26,27
Seq#:8; N Pos. 15,16,17